

ABCD = A BeamsDivision CDF Dzero Task Force on HALO/DC Beam

"HALO"

Generation Mechanisms

Beam – gas scattering  
Intra–beam  
Bucket leakage  
Inter–beam  
Tune–shifts/adjustments  
??..other?

Reduction Mechanisms

Collimation/scraping  
TEL = Tevatron Electron Lens  
Channeling  
??..other?

Shielding at experiments

Simulation

of Generation  
of reduction  
of effects on experiments

Instrumentation

Flying wire scans  
Bunch length momitor  
Synchrotron light monitor  
"Sodium curtain"  
Roman pots (CDF and D0)

## Monitors

Pots (rate, bunch-by-bunch, between bunches)

LOST p, pbar (D0PHTL B0PLOS etc)

B0 HALO (B0PHSM etc)

B0RAT

Any BD monitors?

Any other CDF/D0 monitors?

MET = large Missing Transverse Energy rates

z-vertex (convolution of p+pbar)

t\_o scans

## What else?

We need to collect information about all or many (what are the most important, highest priority?) of these items.

Compile list of experiments that can/should be done.

Come back next week with some transparencies about some items, information gathering, new ideas?

Is this a good time for meeting? Thursday at 4:00? 3:00?

Meet every one or two weeks.

Time frame ~ 2 to 3 months.